

2019 Conservation Employee Training The Beaufort Hotel – Beaufort, North Carolina



MONDAY – 10.28.2019

7:30 a.m. – 5:00 p.m. – Registration Open – The Beaufort Hotel, Beaufort

10:00 a.m. – 5:00 p.m. – Barrier Beginnings – Fort Macon State Park, Bogue Banks

This workshop is one of the State Parks Environmental Education Learning Experiences (EELE). Participants will explore the major concepts of coastal geology, human impacts on the coastal environments, and geography. Barrier islands are coastal islands that are separated from the mainland. North Carolina's barrier islands are usually long and broken by inlets, which allow the water to move between the sounds and the sea. The beach, the most unstable part of the island, is constantly changing due to wind, waves and currents. These natural processes make it difficult for people to develop the islands, and barrier islands cannot be developed without interfering with the natural processes. Presenter: Benjamin Fleming, Fort Macon State Park Ranger. This session qualifies for 6 hours of Criteria 1 Environmental Education Certification Credit Hours. You must provide your own transportation to the Fort. Lunch provided with separate registration cost (\$15).

8:30 a.m. – 5:00 p.m. – Produce Safety Alliance Grower Training

This one-day training course on the Produce Safety Alliance (PSA) standardized curriculum is for produce growers. This course meets the regulatory requirements of the FDA's Food Safety Modernization Act (FSMA) Produce Safety Rule. Participants will obtain certification needed to meet the FSMA Fresh Produce Safety requirement. 2 CCP CEUs approved.

5:30 p.m. – 7:30 p.m. – NC CDEA Employee Board Meeting – The Beaufort Hotel, Beaufort

TUESDAY – 10.29.2019

Morning Session

7:30 a.m. – 5:00 p.m. – Registration Open – The Beaufort Hotel, Beaufort

8:00 a.m. – 10:00 a.m. – CCP Courses – Planning Criteria Training, and Erosion Prediction Tools –

Planning criteria to identify resource concerns and to meet practice standard purposes. An introduction and general overview of the latest assessment and prediction tools specific to the employee's location (i.e. PLAT, Win-PST, IET, WEPP, RUSLE2, WHEP, SVAP2, PCS, other). Employees will learn common terminologies, definitions, how to interpret results to adequately document and quantify benchmark conditions and alternatives, and how to use each tool to develop alternatives that meets NRCS planning criteria. The overarching objective of this course is for employees to acquire a foundation to independently apply these tools during the planning process. 2 CCP CEUs approved.

General Session

10:00 a.m. – 2:00 p.m.

Introduction to the conference; Job Approval Authority updates; panel discussions including Agriculture Resiliency and Lessons Learned from Recent Disasters. Lunch provided at the hotel.

Afternoon Sessions

2:00 p.m. – 5:30 p.m. – Estuarine Ecology & Behind-the-Scenes Tour – Pine Knoll Shores Aquarium, Bogue Banks

Bring your old shoes and get ready for a discovery trek to the salt marsh and shallow waters of Bogue Sound during an estuarine ecology session. Explore the creatures that inhabit this fragile system and learn why they are so important and how we can protect them. Change your shoes and get ready for a behind the scenes aquarium tour. This will be a fun and fascinating basic tour of the aquarium facilities that is not open to the public. Visit food prep areas, freshwater and saltwater holding areas, the husbandry labs, and watch aquarists

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in action. Aquarium animals are closely monitored for their health. For the animals' well-being, water in the exhibits is passed through several types of filtration – chemical, biological, and mechanical. Both salinity and pH are closely monitored. New aquatic animals must be quarantined to ensure that they are healthy and free from parasites. Food preparation and feeding, both broadcast and targeted feeding, is carefully administered. The aquarium also has a captive breeding program of several species of Jellies. The tour finishes with a spectacular view of the Living Shipwreck exhibit. Participants must bring a pair of dry shoes to change into before entering the aquarium. This session will qualify for 3 hours of Environmental Education Certification credit. Class size limited to 30.

2:30 p.m. – 5:30 p.m. – CCP Courses - Fundamentals of Highly Erodible Land (HEL) and Wetland Conservation (WC) Provisions, and Basic Soils & Web Soil Survey to Interpret Land Capabilities and Limitations –

Overview of National Food Security Act Manual (180-NFSAM). Planner will learn to assess field conditions relative to the Sodbuster and Swampbuster provisions of the Food Security Act.

An overview for utilizing web soil survey and interpreting land capabilities and limitations in conservation planning. 2 CCP CEUs approved.

2:30 p.m. – 5:30 p.m. – CCAP BMP – Backyard Rain Gardens

This session will provide training on the design and installation of a backyard raingarden. Participants will perform a site assessment, fill out the Raingarden Checklist form, complete the design of a raingarden using the design worksheet, discuss the Operations and Maintenance Plan, and discuss the proper installation and planting of backyard raingardens. 1 CCP CEU approved.

2:30 p.m. – 5:30 p.m. – Managerial Guidance Document – Rick McSwain, Kristina Fischer – NCDA&CS DSWC

*District officials are responsible for administering district personnel policies. Most districts do not have a Managerial Guidance Document that is intended to provide district officials with fundamental personnel management information on which to base their own personnel management policies and decisions. This training tract will work on such a document with assistance from District office managerial staff from across the state that can be used by all as a reference. *****Must register for all sessions during the conference – Tuesday, Wednesday and Thursday.******

2:30 p.m. – 5:30 p.m. – Social Media and Effective Newsletters – Terry Bell, NCDA&CS

There are many types of Social Media available for District to promote District Activities. This training will include the different options available to Districts and their pros and cons. A good way to promote and educate the public about what Districts offer is to use newsletters. But what makes an effective newsletter. This training will educate District Staff on how to create an effective newsletter.

Evening

6:30 p.m. – 9:00 p.m. – Low Country Boil & Team Building Activities – Freedom Park, Beaufort

WEDNESDAY – 10.30.2019

Lunch provided for all sessions.

All Day Sessions

7:30 a.m. – 5:00 p.m. – Registration Open – The Beaufort Hotel, Beaufort

8:00 a.m. – 5:00 p.m. – Stream Crossing (Culvert) –

Session will provide training on design and installation of a stream crossing using a culvert. Participants will visit a proposed stream crossing site and collect pertinent data for use in the classroom. Laptop computers will be used for running USGS StreamStats to determine peak runoff from a watershed and HY-8 to size a culvert. Session includes discussion of pipe materials, access road design and permit considerations. Class size limited to 20. 8 CCP CEUs approved. Computers needed.

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8:00 a.m. – 5:00 p.m. – Cultural Resources, Part II (Module 7-8) –

*Course is part of the National Cultural Resources Training Modules. Modules 7-8 covers a review of Modules 1-6, regional cultural overview, cultural resources of field office, identification of artifacts in the field, prehistoric stone tools, historic artifacts, and a site visit to a historic or prehistoric archaeological site. Class size limited to 25. 24 CCP CEUs approved. ***Must register for both Wednesday and Thursday sessions.****

8:00 a.m. – 5:00 p.m. – Basics of Surveying –

Session is intended for new employees and anyone in need of a refresher for surveying with a laser level or dumpy level. Participants are encouraged to bring their own equipment for use in the field. Topics include: setting up a level; two-peg check for level error; surveying a cross-section and profile; closed-loop or traverse survey; grid survey (time permitting); field book note keeping; reducing field notes and checking closure accuracy. Class size limited to 20. 8 CCP CEUs approved.

8:00 a.m. – 5:00 p.m. – Managerial Guidance Document –

****Must register for all sessions during the conference – Tuesday, Wednesday and Thursday.****

Morning Sessions

8:00 a.m. – 10:00 a.m. – Completing Supervisor and other Forms

Throughout the year Districts are required to complete forms that are required through the Division of Soil and Water Conservation. Division Staff will be presenting information on how to fill out these forms properly.

8:00 a.m. – 10:00 a.m. – Groundwater Model Training for Educators –

Join us to learn how to incorporate in the classroom the Groundwater Model. This model is an excellent tool that illustrates groundwater flow and contamination in both unconfined and confined sand and gravel aquifers overlying cavernous limestone and fractured-bedrock aquifers. Presenters can easily compare and contrast the different flow patterns between the various types of aquifers. This simulator is particularly useful in conjunction with an EnviroScape model. Presenter: John Risgaard, DEQ Water Resources Groundwater Section. This session qualifies for 2 Environmental Education Certification Credit Hours.

10:30 a.m. – 12:00 p.m. – Federal and State Programs offered by SWCDs

For Administrators - Many Cost Share Programs are offered by Soil and Water Conservation Districts to assist landowners with resource concerns. The Natural Resources Conservation Service (NRCS) and The Division of Soil and Water Conservation at this session will provide information to assist District Staff on the different programs offered, how to process contracts, and types of Best Management Practices that are used along with these cost share programs to address resource concerns.

10:30 a.m. – 12:00 p.m. – Carolina Wetlands

Wetlands perform valuable services such as, water quality, flood control, critical habitats, erosion protection, protection against rising sea levels, and many others. Carolina wetlands are diverse habitats found across the coastal plain, piedmont, and mountain regions of North and South Carolina. Wetlands are transitional areas where land meets water near streams, rivers, lakes, and estuaries, or in low-lying flat areas or natural depressions in the landscape. The depth and duration of water logging combined with landscape position are key factors in determining when wetland soils develop and plant species inhabit them to create a wetland community. Join Rick Savage, formerly with DENR and now President of the Carolina Wetlands non-profit association, as he takes you on a journey of discovery. Each of these sessions qualifies for 2 Environmental Education Certification Credit Hours.

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Afternoon Sessions

12:00 p.m. – 5:00 p.m. – North Carolina Maritime Museum and Rachel Carson Reserve –

Join this field trip and enjoy a box lunch at the North Carolina Maritime Museum in downtown Beaufort. Following lunch will be a guided tour of the museum. Then debark from across the street on a ferry to Carrot Island and a guided tour of the Rachel Carson Reserve. Learn about the wild horses and other coastal creatures that call this barrier island home. Participants must wear closed-toed shoes. Transportation will be provided from the conference hotel. This session qualifies for 4 Environmental Education Certification Credit hours. Class size limited to 25.

1:00 p.m. – 3:00 p.m. – Carolina Wetlands (repeated from morning session – see description above)

1:00 p.m. – 3:45 p.m. – Being an Effective Manager – Terry Bell, NCDA&CS

An effective manager pays attention to all aspects of management, leadership and learning within an organization. This session will introduce seven essentials for anyone desiring to be an effective manager that are based on the experience and teachings of success strategists and experts in organizational management and leadership. The discussion of these essentials will guide managers in building a desired workplace culture. Effective managers are expected to be skilled in managing employee performance outcomes, but also in managing beyond personalities, ego and emotions that present in the workplace to provide opportunities for employee success. Implementing changes in management style can result in positive employee outcomes and decrease negative attributes commonly associated with the work environment, such as drama, playing the victim or unhealthy conflict

4:15 p.m. – 5:00 p.m. – Sales & Use Tax – Kayla DeMaria, NCDOR / Meeting Board Expectations – Bryan Evans, NCASWCD –

If your District makes retail sales to customers, then a tax must be collected. Over the years there have been questions about this requirement. A NC Department of Revenue representative will be providing information on this requirement.

District Boards should take the lead in establishing working arrangements with District Staff and other cooperating agencies. Proper communications between Boards, Staff and other Agencies is Vital for the District to be a success in protecting our natural resources. This session will talk about working together to accomplish the same goals.

Evening

6:30 p.m. – 9:30 p.m. – Banquet – The Beaufort Hotel, Beaufort

THURSDAY – 10.31.2019

Morning Sessions

7:30 a.m. – 9:00 a.m. – Registration Open – The Beaufort Hotel, Beaufort

8:00 a.m. – 12:00 p.m. – Cultural Resources, Part II (Module 7-8) –

*Continuation from Wednesday. Class size limited to 25. ***Must register for both Wednesday and Thursday sessions. ****

8:00 a.m. – 12:00 p.m. – Managerial Guidance Document –

****Must register for all sessions during the conference – Tuesday, Wednesday and Thursday.****

8:00 a.m. – 12:00 p.m. – Livestock Watering System –

Participants will plan a drinking water system for livestock. The session will include training on supporting

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practices such as heavy use area protection and livestock pipeline. Completion of an environmental evaluation worksheet, planning checklist and job sheet will be covered. Various types of watering troughs and tanks will be discussed, as well as installation, operation and maintenance. 4 CCP CEUs approved.

8:00 a.m. – 12:00 p.m. – Critical Area Planting –

Session will provide training on establishment of permanent vegetation on urban sites, construction areas, conservation practices, streambanks and shorelines. Participants will complete an environmental evaluation worksheet, planning checklist and job sheet for a critical area. Interpretation of soil test results will be covered as well. Site preparation, lime and fertilizer, seeding method, slope, mulching and maintenance will be covered. 4 CCP CEUs approved.

8:00 a.m. – 12:00 p.m. – Technical Review for Administrators – Aerial Photography & Topographical Maps – Edward Davis, Columbus SWCD / US Army Corps of Engineers – Tom Charles, USACE –

Aerials are used by individuals to determine the history of an area of interest. As clients come into Soil and Water Conservation Districts to view historic aerials, many times staff are asked to assist in locating areas of interest on aerials. This session will provide you the information needed to locate areas of interest and how to interpret the information provided by historic aerials.

Topographical maps are used to determine elevations, direction of water flow, drainage areas and many more uses. This session will help individuals to be able to interpret information, from topographical maps, to assist clients.

Districts work with many agencies related to Best Management Practice installation. Some of these agencies require permits and other pertinent information. The Army Corps will be presenting information as to what they regulate and what information is required when working with them.

8:00 a.m. – 12:00 p.m. – Educational Share Fair – Wetlands are Wonderful! –

Join us to learn how to incorporate in your outreach programs the history of soil conservation and new creative teaching ideas during the annual "Educational Share Fair". The upcoming contest theme, Wetlands are Wonderful, will be highlighted with resources for district educators to use with their contest outreach this year. In addition, other innovative educational outreach tools will be shared by participating district educators. This session is always a great hit and provides valuable resources for soil and water conservation educators. See separate agenda. Facilitator: MaryBeth Watkins, Brunswick SWCD. This session qualifies for 4 Environmental Education Certification Credit Hours.